IN THE CLAIMS

Claims 1-3 (Canceled).

4 (Original). A computer implemented method comprising:

decoding a picture of an MPEG stream into a plurality of slices having a set of slices at least partially within an area of the picture, the area being less than all of the picture;

decoding at least the set of slices but not the plurality of slices into a plurality of macroblocks having a set of macroblocks within the area; and

decoding at least the set of macroblocks but not the plurality of macroblocks into pixels.

5 (Original). The method of claim 4 wherein the area is a region of interest.

6 (Original). The method of claim 4 further comprising displaying the decoded set of macroblocks.

7 (Previously Presented). A computer implemented method comprising:

creating a first MPEG compliant substream from an MPEG stream including a plurality of pictures, the first substream corresponding to a first region of interest (ROI), said first ROI being an area of each picture of the plurality of pictures smaller than the total area of each picture;

transmitting the first substream to a first recipient;

creating a second MPEG compliant substream from the MPEG stream, the second substream corresponding to a second region of interest (ROI) that is different than the first ROI, said second ROI being an area of each picture of the plurality of pictures smaller than the total area of each picture; and

transmitting the second substream to a second recipient that is different than the first recipient.

8 (Previously Presented). The method of claim 7 further comprising synchronizing display of the first substream with the second MPEG compliant substream from the MPEG stream.

9 (Previously Presented). The method of claim 7 wherein the creation and transmission of the first and second substreams are performed in a lock-step manner.

Claims 10-12 (Canceled).

13 (Previously Presented). A computer implemented method comprising:

decoding a picture from an MPEG stream;

selecting a plurality of different Regions of Interest in the picture;

constructing a plurality of different new MPEG pictures corresponding to the plurality of different regions of interest;

transmitting the plurality of different new MPEG pictures to a corresponding plurality of different nodes; and

commanding the plurality of different nodes to display the plurality of different new MPEG pictures.

Claims 14-32 (Canceled).

33 (Currently Amended). A non-transitory machine-readable medium encoded with instructions, which when executed by a set of processors, cause said set of processors to perform operations comprising:

decoding a picture of an MPEG stream into a plurality of slices having a set of slices at least partially within an area of the picture, the area being less than all of the picture;

decoding at least the set of slices but not the plurality of slices into a plurality of macroblocks having a set of macroblocks within the area; and

decoding at least the set of macroblocks but not the plurality of macroblocks into pixels.

34 (Original). The machine readable medium of claim 33 wherein the area is a region of interest.

35 (Original). The machine readable medium of claim 33 further comprising displaying the set of decoded macroblocks.

36 (Currently Amended). A non-transitory machine-readable medium that provides instructions, which when executed by a set of processors, cause said set of processors to perform operations comprising:

creating a first MPEG compliant substream from an MPEG stream including a plurality of pictures, the first substream corresponding to a first region of interest (ROI), said first ROI being an area of each picture of the plurality of pictures smaller than the total area of each picture;

transmitting the first substream to a first recipient;

creating a second MPEG compliant substream from the MPEG stream, the second substream corresponding to a second region of interest (ROI) that is different than the first ROI, said second ROI being an area of each picture of the plurality of pictures smaller than the total area of each picture; and

transmitting the second substream to a second recipient that is different than the first recipient.

37 (Previously Presented). The machine readable medium of claim 36 that provides instructions, which when executed by a set of processors, cause said set of processors to perform operations further comprising synchronizing display of the first substream with the second MPEG compliant substream from the MPEG stream.

38 (Previously Presented). The machine readable medium of claim 36 further comprising a lock-step mechanism governing the creation and transmission of the first and second substreams.

Claims 39-41 (Canceled).